

## 2011 Puget Sound Summer/Fall Chinook Preseason Forecasts

03/11/2011

Region	Watershed	Notes	Forecast Type	Hatchery	Supplmt	Wild	Total
<b>Strait</b>	Hoko	1	Esc w/o fishing			581	581
	Dungeness	1	Terminal			885	885
	Elwha	2	Terminal			1,650	1,650
	<b>Region total</b>			<b>0</b>		<b>3,116</b>	<b>3,116</b>
<b>North Sound</b>	Glenwood Springs		4B	418			418
	Nooksack/Samish	3	4B	37,484			37,484
	Skagit		Terminal	1,458		14,504	15,962
	Stillaguamish		Esc w/o fishing		1,105	783	1,888
	Snohomish		Esc w/o fishing	5,171		7,419	12,590
	Tulalip		Esc w/o fishing	3,513			3,513
	<b>Region total</b>			<b>48,044</b>	<b>1,105</b>	<b>22,706</b>	<b>71,855</b>
<b>Upper South Sound</b>							
	Lake Washington						
	Issaquah	5	4B	10,288			10,288
	Univ. of Wa		4B	1,795			1,795
	Cedar	1	4B			1,073	1,073
	Sammamish	1	4B			113	113
	<b>Subregion total</b>			<b>12,083</b>		<b>1,186</b>	<b>13,269</b>
	Green River						
	Soos Creek Hatchery		Terminal	14,483			14,483
	Icy Creek		Terminal	837			837
	Mainstem/Newaukum		Terminal			3,290	3,290
	<b>Subregion total</b>			<b>15,320</b>		<b>3,290</b>	<b>18,610</b>
	Grovers		4B	3,035			3,035
	East Kitsap(Gorst, Dogfish, Clea	4	4B	8,576			8,576
	<b>Subregion total</b>			<b>11,611</b>			<b>11,611</b>
	Puyallup River		4B	7,424		2,766	10,190
	<b>Upper South Sound Total</b>			<b>46,438</b>		<b>7,242</b>	<b>53,680</b>

**2011 Puget Sound Summer/Fall Chinook Preseason Forecasts (continued)**

Region	Watershed	Notes		Hatchery	Supplmt	Wild	Total
Lower South Sound	Carr Inlet	5	4B	13,775			13,775
	Deschutes	5	4B	19,501			19,501
	Nisqually	1	4B	32,759		1,644	34,403
	Chambers	5	4B	6,159			6,159
	McAllister	6	4B				0
	Coulter	7	4B				0
	Lower South Sound Total			72,194		1,644	73,838
South Sound total			118,632	0	8,886	127,518	
Hood Canal	Skokomish w/George Adams	10	Terminal	27,971		1,994	29,965
	12B naturals		Terminal			137	137
	12C/12D/12H		Terminal	10,390		48	10,438
			Terminal				
Hood Canal total			38,361	0	2,179	40,540	
Grand total			205,037	1,105	36,887	243,029	
Footnotes							
1. Wild forecast Includes hatchery origin and natural origin fish							
2. Combine hatchery and natural forecasts							
3. This includes returns to Samish, Whatcom, Nooksack and Lummi Bay and neighboring streams.							
4. Forecast resulting from rearing pond production spawning in river of origin or in neighboring streams							
5. Combined natural and hatchery spawner forecast (all fish of hatchery origin)							
6. Last releases from BY 2001, no fall chinook are expected.							
7. Hatchery chinook releases terminated with BY 2000.							
8. RER= Recovery Exploitation Rate (interim management ceiling during recovery phase).							
9. Level of spawning abundance that triggers additional management action.							
10. The low abundance threshold includes 800 natural and/or 500 hatchery spawners							
11. Threshold expressed as natural origin spawners							
12. Goal for South Prairie Cr Index							
13. Aggregate for combined hatchery and wild spawners							

## Puget Sound Spring Chinook 2011 Preseason Forecasts

		Forecast				
	Notes	Type	Hatchery	Supplmt	Wild	Total
Nooksack River						
North Fork	1	Escape	934	1,552	266	2,752
South Fork	2	Escape			43	43
Skagit River		Terminal	2,213		1,323	3,536
White River						
Minter Creek	6	Terminal	527			527
White River Hatche	3,4	Terminal	1,138			1,138
Buckley Trap	5	Terminal		989		989
Puyallup River				255		255
Total White River Springs						2,654
<b>Total Puget Sound</b>			<b>4,812</b>	<b>2,796</b>	<b>1,632</b>	<b>9,240</b>
1. Supplementation number is hatchery-origin acclimated fish expected to spawn in the wild. 2. Forecast of SF Nooksack stock origin chinook. Forecast that includes non-native origin fish is 138. 3. Forecast of tagged returns to the hatchery rack only. 4. For FRAM modeling purposes, 635 are estimated to originate from fingerling production and 365 from yearling production 5. Includes naturally produced spring and fall chinook returns and acclimation pond production 6. White River Spring production from Minter Creek H is not modeled in FRAM.						

**Washington Coast 2011 Chinook Preseason Forecasts**

	Hatchery	Wild	Totals	Natural Escapement Goal
North Coast				
Quillayute River				
Spring	1,399		1,399	200
Summer		1,299	1,299	1200 (WDFW goal ONLY)
Fall		7,543	7,543	> of 3,000 or 60% of run
Hoh				
Spring/Summer		1,037	1,037	>of 900 or 69% of RS
Fall		2,880	2,880	>of 1,200 or 60% of RS
Queets				
Spring/Summer		na	na	>of 700 or 70% of RS
Fall	na	na	na	>of 2,500 or 60% of RS
Quinault				
Fall	na	na	na	
North Coast totals				
Summer/Falls:	na	na	na	
Spring/Summers:	na	na	na	
Grays Harbor				
Chehalis springs		1,844	1,844	1,400
Chehalis falls	176	13,181	13,357	12,364
Humptulips falls	3,738	7,355	11,093	2,236
Subregion Falls Total	3,914	20,536	24,450	
Willapa Bay	32,476	4,341	36,817	
Coast total	na	na	na	